

# Lafarge Cement Works Kujawy, Poland



## Client

Lafarge Cement Polska

## Value

€ 70 million / £46.6 million / US \$70 million

## Schedule

May 2002 – March 2003

## Assignment

Consulting on Site Management services



The Kujawy Dry Line Project concerned the building of a new 4500 tons per day cement clinker dry kiln line with a yearly production capacity of 1.75 million tons of Portland cement. The new line was constructed close to the existing three wet kiln lines.

The new clinker dry line incorporated state of the art technology "on line concept" with a high level of automation from the raw mix preparation up to the clinker storage. The raw mill, coal mill and kiln system was designed to operate as a single unit.

Main items constructed included:

- 80m ø circular limestone storage with stacker and reclaimers
- A new Polysius "Quadropol" raw mill
- Reinforced concrete raw meal homo silo (slip formed)
- 131m high Pre heater tower 1 string 5-stage equipped with low NO<sub>x</sub> pre-calciner
- A new rotary kiln installed on two piers
- New grate cooler and tertiary air duct
- ESP for cooler de-dusting and new bag filter for upstream dust collecting
- New utility installations and new vertical coal mill with an integrated separator reusing existing dosing equipment to the pre-calciner and kiln burner.

The Project was let on a Turnkey basis to the process engineers Polysius.